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**From:** d'Almeida, Carolyn K. [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9EC4401AFA1846DD93D52A0DDA973581-CDALMEID]  
**Sent:** 11/14/2018 4:40:34 PM  
**To:** Davis, Eva [Davis.Eva@epa.gov]; 'Brasaemle, Karla' [KBrasaemle@TechLawInc.com]; Dan Pope [DPope@css-inc.com]  
**Subject:** FW: 2018-11-14 - Williams AFB - FYI - ST012 sulfate injection starting week beginning 11-12-2018 -ds amec

FYI

Cathy called me yesterday; expect further discussion of containment well locations on Thursday. She said AF is concerned that if they put in ten wells we might still ask for more.

Carolyn d'Almeida  
Remedial Project Manager  
Federal Facilities Branch (SFD 8-1)  
US EPA Region 9 Laboratory  
1337 South 46th Street, Building 201  
Richmond, CA 94804  
(415) 972-3150

"We can evade reality, but we cannot evade the consequences of evading reality." - Ayn Rand

-----Original Message-----

From: Paula Panzino <Panzino.Paula@azdeq.gov>  
Sent: Wednesday, November 14, 2018 8:14 AM  
To: Wayne Miller <Miller.Wayne@azdeq.gov>; d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>  
Cc: Brian J. Stonebrink <Stonebrink.Brian@azdeq.gov>  
Subject: RE: 2018-11-14 - Williams AFB - FYI - ST012 sulfate injection starting week beginning 11-12-2018 -ds amec

Great news. Thanks for keeping up to date.

Paula

-----Original Message-----

From: Wayne Miller  
Sent: Wednesday, November 14, 2018 8:46 AM  
To: Carolyn dAlmeida (dAlmeida.Carolyn@epamail.epa.gov) <dAlmeida.Carolyn@epamail.epa.gov>  
Cc: Paula Panzino <Panzino.Paula@azdeq.gov>; Brian J. Stonebrink <Stonebrink.Brian@azdeq.gov>  
Subject: 2018-11-14 - Williams AFB - FYI - ST012 sulfate injection starting week beginning 11-12-2018 -ds amec

FYI - Williams Air Force Base Site ST012 sulfate injection starting Wed. 11-14-2018 or soon thereafter. This will begin the remedy's Enhanced Bioremediation (EBR) portion.

-----Original Message-----

From: Smallbeck, Donald R. <donald.smallbeck@woodplc.com>  
Sent: Wednesday, November 14, 2018 8:20 AM  
To: Wayne Miller <Miller.Wayne@azdeq.gov>; 'steve@uxopro.com' <steve@uxopro.com>  
Cc: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>  
Subject: 2018-11-14 - wafb - ST012 sulfate injection starting week beginning 11-12-2018 -ds amec

FYI

-----Original Message-----

From: Smallbeck, Donald R.  
Sent: Tuesday, November 13, 2018 6:49 PM  
To: 'JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW' <catherine.jerrard@us.af.mil>; Pearson, Stuart C. <stuart.pearson@woodplc.com>  
Subject: RE: 2018-11-13 - wafb - Is ST012 sulfate injection starting this week

Cathy

That is the plan. We are still in the mixing phase as we have had some issues with the sulfate bags because of the delay. We will start the injections as soon as we work thru the mixing issues.

-----Original Message-----

From: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>  
Sent: Tuesday, November 13, 2018 3:29 PM  
To: Smallbeck, Donald R. <donald.smallbeck@woodplc.com>; Pearson, Stuart C. <stuart.pearson@woodplc.com>  
Subject: FW: 2018-11-13 - wafb - Is ST012 sulfate injection starting this week

resend

-----Original Message-----

From: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW  
Sent: Tuesday, November 13, 2018 3:54 PM  
To: Smallbeck, Donald R. <Donald.Smallbeck@amecfw.com>  
Cc: Wayne Miller <Miller.Wayne@azdeq.gov>; steve@uxopro.com  
Subject: FW: 2018-11-13 - wafb - Is ST012 sulfate injection starting this week

Don -

I hope that your email is working after the migration this weekend.

Last time we talked mixing was starting yesterday followed by injections which would initially include UWBZ-36 and then UWBZ-33. Is that still the plan? Wayne and Steve requested an update. Thanks.

Cathy

//SIGNED//

CATHY JERRARD, P.E., PMP  
AFCEC/CIBW  
706 Hangar Road  
Rome, New York 13441  
315-356-0810 (office)  
315-723-4509 (cell)  
email: catherine.jerrard@us.af.mil

-----Original Message-----

From: Wayne Miller [mailto:Miller.Wayne@azdeq.gov]  
Sent: Tuesday, November 13, 2018 11:17 AM  
To: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>  
Cc: steve <steve@uxopro.com>  
Subject: [Non-DoD Source] 2018-11-13 - wafb - Is ST012 sulfate injection starting this week

Can you please let me know if sulfate injection is commencing this week?

Thank you.

Wayne Miller

Waste Programs Division,  
Remedial Projects Section,  
Federal Projects Unit

Arizona Department of Environmental Quality  
1110 West Washington Street  
Phoenix, AZ 85007

Direct Line: 602.771.4121

Email: miller.wayne@azdeq.gov <mailto:miller.wayne@azdeq.gov>

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